

FLUID MEDICATION DELIVERY DEVICE

Abstract of the Disclosure

A fluid delivery device is provided for transdermal delivery of fluid medications to patients. The device comprises a thin envelope which is applied to a patient's skin. The envelope comprises at least one diffusion layer coupled to at least one impermeable layer such that at least one chamber exists therebetween. Other embodiments include internal diffusion layers, and thus possess additional chambers, as well. The impermeable layer comprises a top surface of the device. A valve positioned in the impermeable layer facilitates filling the device with fluid, as well as connection of the device to external fluid sources such as an intravenous bag, pump, or other external fluid delivery system. The diffusion layer may comprise a semi-permeable membrane which controls the rate of fluid flow from the device to the patient's skin.

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